Zacune, J., and Hensman, C., Drugs, Alcohol and Tobacco in Britain, London, Heinemann, 1971.
Glatt, M. M., British Journal of Addiction, 1955, 52, 55.
Tidmarsh, D., British Journal of Addiction, 1970, 64, 333.
Davies, D. L., Shepherd, M., and Myers, E., Quarterly Journal of Studies on Alcohol, 1956, 17, 485.
Glatt, M. M., Acta Psychiatrica Scandinavica, 1961, 37, 88.
Rathod, N. H., Gregory, E., Blows, D., and Thomas, G. H., British Journal of Psychiatry, 1966, 112, 683.
James, W. P., Salter, C. E., and Thomas, H. G., Alcohol and Drug Dependence—Treatment and Rehabilitation. London, King Edward's Hospital Fund, 1972.

pendence—Treatment and Rehabilitation. London, King Edward's Hospital Fund, 1972.
Willems, P. J. A., Letemendia, F. J. J., and Arroyave, F., British Journal of Psychiatry, 1973, 122, 637.
Glatt, M. M., British Journal of Addiction, 1958, 54, 133.
Willems, P. J. A., Letemendia, F. J. J., and Arroyave, F., British Journal of Psychiatry, 1973, 122, 649.
Cook, T., Morgan, H. G., and Pollak, B., British Medical Journal, 1968, 1, 240

Mucinous Tumours of the Ovary

Cystadenomata of the mucinous and serous types are the commonest varieties of ovarian tumour, probably accounting for 60% of them.1 The serous type is probably commoner than the mucinous, which is characterized by cystic spaces full of mucus. These cystic spaces are lined by a single layer of tall cells with a clear, refractile cytoplasm and darklystaining nuclei close to the basement membrane.2

Ovarian cystadenomata are benign, but in both varieties a malignant cystadenocarcinoma occurs. This kills by peritoneal implantation and distant metastases. Figures for the incidence of malignancy vary considerably,3 5 owing to the existence of a borderline lesion that shares some of the microscopical features of carcinoma but seldom metastasizes.67 If such intermediate tumours are included in the category of carcinoma, a confusingly good prognosis may be found in a series of cases of ovarian cancer. It is therefore important to study the course history of borderline serous and mucinous ovarian tumours and to see how they differ from the frankly malignant cystadenocarcinoma.

To this end W. R. Hart and H. J. Norris have recently reviewed 688 mucinous tumours examined at the Armed Forces Institute of Pathology, Washington.8 In 552 cases (80%) the tumour was a typical cystadenoma, while in a further 97 cases (14%) the lesion was more proliferative. The epithelium lining the cystic spaces showed a more exuberant pattern and was stratified into two or three layers. The overall pattern resembled that of an adenomatous polyp of the colon. The epithelial cells had atypical nuclei with hyperchromatism and enlarged nucleoli. Mitotic figures were frequent, but there was no severe degree of anaplasia. In no case was there any stromal invasion. These tumours were classified as borderline. In the remaining 39 tumours (6%) there was undoubted carcinomatous change characterized by stromal invasion and overgrowth of atypical epithelial cells. These stratified cells were more anaplastic than those of the borderline lesion and always exceeded three layers in thickness. Even when stromal invasion was difficult to assess, this epithelial proliferation served to delineate the malignancy of the tumour.

Hart and Norris found that only 3% of the 87 patients followed up with a borderline tumour died of cancer as compared with 33% of the 27 patients followed up with a cystadenocarcinoma. The rupture of the tumour with a spillage of its contents into the peritoneal cavity did not cause adverse effects in either the benign or the borderline lesion.

A rare result of rupture of a mucinous ovarian or appendiceal tumour into the peritoneal cavity is pseudomyxoma peritonei. The tumour cells take root in the peritoneal mesothelium and secrete large amounts of mucus, which leads to great abdominal distension. The condition recurs when the mucus is removed, but a radical excision of the primary tumour together with cytotoxic agents introduced into the peritoneal cavity may result in a cure.9 In this series of cases there was no instance of pseudomyxoma peritonei, which the authors suggest arises from a special aggressive borderline mucinous ovarian tumour.

The existence of a borderline variant of ovarian cystadenoma, both mucinous and serous, 10 11 is now well established. Its prognosis is far better than that of the cystadenoshould be carcinoma. It removed by salpingo-oophorectomy, and the other ovary can be retained after careful inspection. Since many of these tumours occur in young women below the age of 35, their prognostic significance is considerable in relation not only to the patient's life but also her fertility.

- Smith, G. V., American Journal of Surgery, 1958, 95, 336.
 Novak, E. R., and Woodruff, J. D., in Novak's Gynecologic and Obstetric Pathology, 6th edn., p. 324. Philadelphia, Saunders, 1967.
 Munnell, E. W., American Journal of Obstetrics and Gynecology, 1969, 103, 641.

- 641.

 Nieminen, U., and Purola, E., Acta Obstetrica et Gynecologica Scandinavica, 1970, 49, 49.

 Malloy, J. J., Docketty, M. B., Welch, J. S., and Hunt, A. B., American Journal of Obstetrics and Gynecology, 1965, 93, 867.

 Fisher, E. R., Krieger, J. S., and Skirpan, P. J., Cancer, 1955, 8, 437.

 Munnell, E. W., Jacox, H. W., and Taylor, H. C., American Journal of Obstetrics and Gynecology, 1957, 74, 1187.

 Hart, W. R., and Norris, H. J., Cancer, 1973, 31, 1031.

 Little, J. M., Halliday, J. P., and Glenn, D. C., Lancet, 1969, 2, 659.

 Purola, E., Acta Obstetrica et Gynecologica Scandinavica, 1963, 42, Suppl. 3, 7.

 Woodruff, J. D., and Novak, E. R., American Journal of Obstetrics and Gynecology, 1954, 67, 1112.

Transposition of Great Arteries

Some 300-400 babies are born annually in the United Kingdom with transposition of the great arteries. Their prospects were admirably reviewed in a recent St. Cyres lecture¹ by R. E. Bonham-Carter from the extensive experience at the Hospital for Sick Children, Great Ormond Street. About the same time a report² appeared, a model of its kind, of a symposium on heart disease in infancy held in Auckland, New Zealand, in February 1972. These important sources show remarkable unanimity on the treatment of the disorder and enable us to summarize the position.

If they are given no treatment, 85% of infants with transposition of the great arteries will die before their first birthday,3 either from inadequate mixing of the separate pulmonary and systemic circulations or from harmful effects of a high pulmonary blood-flow. Most of them present with cyanosis and dyspnoea in the first few weeks of life, and accurate diagnosis depends on cardiac catheterization. Though the range of anatomical and haemodynamic abnormalities is wide, there are three main groups of cases.

Transposition with atrial septal defect alone—"simple transposition"—forms the largest group. The extent to which mixing of the pulmonary and systemic circulations is adequate depends on the size of the septal defect. The second group is of transposition with ventricular septal defect. In these cases, if the defect is sizeable, mixing may be adequate but the risk of